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TITLE : RUBBER CONTAINING ANTIMICROBIAL AGENT AND RUBBER-MADE GLOVE AND RUBBER-MADE FINGER SAC CONTAINING ANTIMICROBIAL AGENT AND THEIR PRODUCTION

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a rubber latex or a raw rubber which contains a specific inorganic antimicrobial agent and is useful as a raw material for producing rubber gloves and rubber finger sacs preventing microbial infections.

SOLUTION: A zeolite antimicrobial agent containing at least one of silver, copper and zinc and/or a silica gel antimicrobial agent are contained preferably in an amount of 0.1-3wt.% based on the rubber components of a rubber latex or a raw rubber. In order to prepare the objective antimicrobial agent-containing rubber latex, preferably, a neutral antimicrobial agent is added together with a dispersant and stabilizer to water, the mixture is crushed and mixed in a ball mill, then the resultant antimicrobial dispersion is mixed under stirring with a rubber latex liquid prepared in a known manner in the art. The objective antimicrobial agent-containing raw rubber is prepared by admixing an antimicrobial agent to raw rubber, as they are kneaded on rolls. The dispersant is preferably dodecylbenzenesulfonate and casein is used as the stabilizer.

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